## SQL Fundament Exercises 1

1. SELECT statement

SELECT (\*)

FROM emplayees-db;

id	first-name	last-name	department	salary	hire-date	citu
(	John	Doe	IT	55 000	2018/06/15	NY
2	Jane	Smith	HR	48 000		Chicago
3	Mike	Johnson	Finance	60 000	2017-09-30	LA
4	Sarah	Brown	IT	53 DOO	2021-03-25	NY
5	David	White	Marketing	52 000	2016-04-10	San Fian
6	Emily	Davis	IT	62 000	2015 - 02-14	Chicago
7	Robert	Wilson	Finance	59 000	2019 -10-01	Hauston
В	Jessied	Moore	HR	51 000	2018-05-82	LA
9	Paniel	Clark	Marketing	53 000	2022-06-01	Chiengo
10	Laura	Hall	17	50 000	2020-08-10	San Fran

## 2. SELECT DISTINCT

SELECT DISTINCT departments

FROM employees\_tarble db;

department
IT
HR
Marketing
Finance

3. SELECT first-name,

last-name

FROM emplayees - db

ORDER BY salary DESC;

first-name	last-name	salary
Emily	Davis	62000
Mike	Johnson	60 000
Robert	Wilson	59 000
John	Doe	55 <b>cc</b> o
Daniel	Clark	53 000
Sarah	Brown	53 600
David	White	52 <b>cc</b> o
Jessica	Moore	51 000
Laura	Hall	50 000
Jane	Smith	48 000

## 4. SELECT \* FROM employees

LIMIT top 5 highest - paid employees;

id	first-name	ast-name	department	salary	hire-date	eity
6	Emily	Davis	IT	63000	QC(5.02·14	Chicago
3	Mike	Johnson	Finance	60 000	201-19-30	LA
7	Robert	Wilson	Finance	59 000	2019-10-01	Hauston
1	John	Doe	IT	55000	3018.00-12	NY
q	Daniel	Clark	Marketing	53 000	3033-06-01	Chicago
4	Salah	Biomin	I IT	53 aco	2021-03-25	NY

SELECT \* 5. FROM employees\_db
WHERE department IN ('IT');

id	first_name	last-name	department	salary	hire-date	eity
	John	Doe	17 .	55 ∞	2018.06.15	NY
4	Sarah	Brown	IT	53 <b>0</b> 00	2021 - 03-25	NY
6	Emily	Davis	IT	62000	2015 02.14	Chicago
10	Laura	Hall	IT	50000	2020 -08-10	San Fran

6. SELECT

employees\_db FROM

WHERE department = Finance AND salary > 58 000

id	first_name	last_name	department	salary	hire-clotte	city
3	Mike	Johnson	finance.	60000	2017-09-30	LÁ
7	Robert	Wilson	Finance	59 000	2019 · 10 · 01	Haurton

first-name, SELECT

loist-name / deportment

FROM emplayees

department = HR' to department = Marketing WHERE

first-name	last-name	deportment
Jane	Smith	HR
Jessica	Modre	HR
David	White	Morketing
	J. Mary Mary 180	District to the second

8. SELECT first-name,

FRO lost-name,

clepartment

FROM employees

WHERE NOT department = 'IT';

first-name	last-name	department
Jane	Smith	HR
Mike	Johnson	Findace

9. SELECT first-name,

department

FROM emplayed

WHERE department in (HR, IT, Finance);

ne.	first-name	last-name	department
	John	Doe	1T
	June	Smith	HR
	Robert	Wilson	Findince
-	Mike	Johnson	Finance

10. SELECT first-name,

last-name,

department,

city

FROM employees

WHERE department = 'IT' AND ralary >50000 AND city = 'NY'

first_name	last_name	department	salary	city	7 2 2 1	
John	Doe	IT	55 000	New York		
CLIECT	f. 1					
1. SELECT	first-name			,		
	last-name,	+				
	elepartmen	, ,				-
FROM	emplateez					
		Finance' Or'dep	curtment = 1	larketing) AND	salary 75	2
ORDER BY	solary DE		· .	J		
		· F a				
12. SELECT	DISTINCT e	ity	)	1		-
FROM	emplayees	3				-
WHERE	department	NOT IN ('IT	, 'HR');	$\cdots q_{\pm} q_{i} \in \mathbb{R}^{n}$		
				1 - 2 1 1		and the same of
13. SELECT	first_name,					
	last_name,			<u> </u>		
	depositment			1 2		
-	salary,				, ja	
	hire-date					-
FROM	employees				8 2 2	
WHERE	department !	= 'Finance'	7			
	1			1		)
first_name	last_name	depoirtment	salary	hire-date	11	-
John	Doe	<u>1T</u>	55 <b>0</b> 00	2018-06-15		s
Jane	Smith	HR	48'000	2019-07-90		-
Sough	Brown	17	53 🗪	2021-03-25		
David	White	Morrketing	£8 000	2026-04-10	2 4 7 7	5
Emily	Davis	17	60 000	2015-02-14		
Jessica	Moore	HR	51 000	9018.05-99		
Daniel	Cloirk	Marketing	53 000	2022.06.01		try may y rising
Laura	Hall	17	50 000	2020-08-10		

-						
	14. SELECT	first-name,				
-		last-name,			1	
		department,				
		city				
	FROM.	employees				
	WHERE cit	y IN (Chicago	Los Angeles) A	ND departm	ent IN (IT, Manke	eting)
		J	J	l		J
		,				
	In which	First -name				
	first-name	laist_name d	epaitment   c	ity	•	
	Emily	Davis	1	hicago		
	Doiniel	Clork	Marketing	Chicago		
	15. SELECT	first-name,				
	ı	last-name,				-
		department,				
		salary,				
compte or		eity	-			
	FROM en	players			-	
	WHERE (dea	OR	depositment = 6	Finance ) AN	ID city != 'Sant	iancisco
	AND vale	ary > 55 000	1			
	ORDER BY	salary DESC				
	LIMIT 5;					
	/					
	first-name	lost -name	department	salony	eity	
	M a l	Johnson	finance	60000	Los Angeles Chicago Houston	
7		A STATE OF THE PARTY OF THE PAR	IT	69660	Chicano	
1	Emily	Pavis	Finance	59000	Houston	
	Robeit	Wilson	Honore	3 / 000	Harrey	